The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for providing a gas from a gas supply to at least two different zones in a process chamber, comprising:

a flow divider for providing a fluid connection to the gas supply, wherein the flow divider splits gas flow from the gas supply into a plurality of legs;

a master leg in fluid connection with the flow divider, wherein the master leg comprises **a master supply line and** a master fixed orifice, wherein the master fixed orifice is an immovable flat plate fixed orifice having an aperture whose size cannot be changed after manufacture of the **master fixed orifice** ~~flat plate fixed orifice~~, wherein the immovable flat plate fixed orifice has no vanes**, and wherein the master fixed orifice is constructed such that gas passing through the master fixed orifice encounters a higher resistance than the resistance encountered for gas passing through the master supply line**; and

a first slave leg in fluid connection with the flow divider and in parallel with the master leg, wherein the first slave leg comprises:

a first slave leg valve;

a first slave leg supply line; and

a first slave leg fixed orifice, wherein the first slave leg fixed orifice is a**n immovable** flat plate fixed orifice **having an aperture whose size cannot be changed after manufacture of the first slave leg fixed orifice, wherein the immovable flat plate fixed orifice has no vanes, and wherein the first slave leg fixed orifice is constructed such that gas passing through the first slave leg fixed orifice encounters a higher resistance than the resistance encountered for gas passing through the first slave leg supply line**.

2. (Original) The apparatus, as recited in claim 1, further comprising:

a second slave leg in fluid connection with the flow divider and in parallel with the master leg and the first slave leg, wherein the second slave leg comprises:

a second slave leg valve; and

a second slave leg fixed orifice.

3. (Original) The apparatus, as recited in claim 2, further comprising:

a third slave leg in fluid connection with the flow divider and in parallel with the master leg, the first slave leg, and the second slave leg, wherein the third slave leg comprises:

a third slave leg valve; and
a third slave leg fixed orifice.

4. (Original) The apparatus, as recited in claim 3, further comprising:

a fourth slave leg in fluid connection with the flow divider and in parallel with the master leg, the first slave leg, the second slave leg, and the third slave leg, wherein the fourth slave leg comprises:

a fourth slave leg valve; and
a fourth slave leg fixed orifice; and

a fifth slave leg in fluid connection with the flow divider and in parallel with the master leg, the first slave leg, the second slave leg, the third slave leg, and the fourth slave leg, wherein the fifth slave leg comprises:

a fifth slave leg valve; and
a fifth slave leg fixed orifice.

5. (Original) The apparatus, as recited in claim 4, further comprising a tuning gas system in fluid connection with at least one of the master leg, first slave leg, second slave leg, third slave leg, fourth slave leg, and fifth slave leg.

6. (Original) The apparatus, as recited in claim 5, wherein the tuning gas system comprises:

at least one tuning gas source; and
at least one mass flow controller.

7. (Original) The apparatus, as recited in claim 6, wherein the tuning gas system is in fluid connection with the master leg down stream from the master fixed orifice.

8. (Original) The apparatus, as recited in claim 7, further comprising a zone selection device connected to the master leg down stream from the master fixed orifice.

9. (Original) The apparatus, as recited in claim 8, wherein the first, second, third, fourth, and fifth leg fixed orifices are flat plate fixed orifices.

10.-12. (Canceled).

13. (Previously Presented) The apparatus, as recited in claim 1, further comprising a zone selection device connected to the master leg down stream from the master fixed orifice.

14. (Original) The apparatus, as recited in claim 3, further comprising a zone selection device connected to the master leg down stream from the master fixed orifice.

15. (Original) The apparatus, as recited in claim 1, wherein the master fixed orifice and the first leg fixed orifices are flat plate fixed orifices.

16. (Original) The apparatus, as recited in claim 15, further comprising a zone selection device connected to the master leg down stream from the master fixed orifice.

17. (Original) A semiconductor chip formed using the apparatus, as recited in claim 1.

18. (Currently Amended) An apparatus for providing a gas from a gas supply to at least two different zones in a process chamber, comprising:

a flow divider for providing a fluid connection to the gas supply, wherein the flow divider splits gas flow from the gas supply into a plurality of legs;

a master leg in fluid connection with the flow divider, wherein the master leg comprises **a master supply line and** an immovable flat plate fixed orifice having an aperture whose size cannot be changed after manufacture of the **master fixed orifice** ~~flat plate fixed orifice~~, wherein the immovable flat plate fixed orifice has no vanes**, and wherein the master fixed orifice is constructed such that gas passing through the master fixed orifice encounters a higher resistance than the resistance encountered for gas passing through the master supply line**;

a first slave leg in fluid connection with the flow divider and in parallel with the master leg, wherein the first slave leg comprises:

a first slave leg valve;

a first slave leg supply line; and

a first slave leg flat plate fixed orifice, **wherein the first slave leg fixed orifice is an immovable flat plate fixed orifice having an aperture whose size cannot be changed after manufacture of the first slave leg fixed orifice, wherein the immovable flat plate fixed orifice has no vanes, and wherein the first slave leg fixed orifice is constructed such that gas passing through the first slave leg fixed orifice encounters a higher resistance than the resistance encountered for gas passing through the first slave leg supply line**;

a second slave leg in fluid connection with the flow divider and in parallel with the master leg and the first slave leg, wherein the second slave leg comprises:

a second slave leg valve;

a second slave leg supply line; and

a second slave leg flat plate fixed orifice**, wherein the second slave leg fixed orifice is an immovable flat plate fixed orifice having an aperture whose size cannot be changed after manufacture of the second slave leg fixed orifice, wherein the immovable flat plate fixed orifice has no vanes, and wherein the second slave leg fixed orifice is constructed such that gas passing through the second slave leg fixed orifice encounters a higher resistance than the resistance encountered for gas passing through the second slave leg supply line;**

a third slave leg in fluid connection with the flow divider and in parallel with the master leg, the first slave leg, and the second slave leg, wherein the third slave leg comprises:

a third slave leg valve;

a third slave leg supply line; and

a third slave leg flat plate fixed orifice**, wherein the third slave leg fixed orifice is an immovable flat plate fixed orifice having an aperture whose size cannot be changed after manufacture of the third slave leg fixed orifice, wherein the immovable flat plate fixed orifice has no vanes, and wherein the third slave leg fixed orifice is constructed such that gas passing through the third slave leg fixed orifice encounters a higher resistance than the resistance encountered for gas passing through the third slave leg supply line**;

a tuning gas system in fluid connection with at least one of the master leg, first slave leg, second slave leg, and third slave leg, wherein the tuning gas system comprises:

at least one tuning gas source; **[[and]]**

at least one mass flow controller; and

a zone selection device connected to the master leg down stream from the master fixed orifice.

19. (Previously Presented) The apparatus, as recited in claim 18, further comprising a joining manifold for combining output from the first slave leg, the second slave leg, and the third slave leg connected between the first slave leg, the second slave leg, the third slave leg and a zone of the at least two zones of the process chamber.

20. (Previously Presented) The apparatus, as recited in claim 3, further comprising a joining manifold for combining output from the first slave leg, the second slave leg, and the third slave leg connected between the first slave leg, the second slave leg, the third slave leg and a zone of a process chamber.